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Amendments to the Claims:

1. (Currently Amended) An isolated nucleic acid comprising a polynucleotide having at least 80% 75% sequence identity to SEQ ID NO:3 SEQ ID NO:1, wherein said polynucleotide encodes a maize AFP1 protein, or a complement of said polynucleotide.

2. (Original) A vector comprising at least one nucleic acid of claim 1.

3. (Original) A recombinant expression cassette, comprising a nucleic acid of claim 1 operably linked to a promoter, wherein the nucleic acid is in sense or antisense orientation.

4. (Original) A host cell comprising the recombinant expression cassette of claim 3.

5. (Original) A transgenic plant cell comprising the recombinant expression cassette of claim 3.

6. (Original) A transgenic plant comprising the recombinant expression cassette of claim 3.

7. (Original) The transgenic plant of claim 6, wherein the plant is selected from the group consisting of: maize, soybean, sunflower, sorghum, canola, wheat, alfalfa, cotton, rice, barley, and millet.

8. (Original) A transgenic seed from the transgenic plant of claim 7.

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9. (Original) An isolated protein comprising a polynucleotide selected from the group consisting of:

- a) a polypeptide comprising at least 25 contiguous amino acids of SEQ ID NO: 2, 4, 6, 8, 10, 14, 16, 18, 20, 22, or 24;
- b) a polypeptide which is a maize AFP1 protein;
- c) a polypeptide comprising at least 75% sequence identity to SEQ ID NO: 2, 4, 6, 8, 10, 14, 16, 18, 20, 22, or 24;
- d) a polypeptide encoded by a nucleic acid of claim 1; and
- e) a polypeptide characterized by SEQ ID NO: 2, 4, 6, 8, 10, 14, 16, 18, 20, 22, or 24.

10. (Original) A method of modulating the level of an AFP1 protein in a plant, comprising:

- a) introducing into a plant cell with a recombinant expression cassette comprising an AFP1 polynucleotide of claim 1 operably linked to a promoter;
- b) culturing the plant cell under plant growing conditions to produce a regenerated plant; and
- c) inducing expression of said polynucleotide for a time sufficient to modulate the AFP1 protein in said plant.

11. (Original) The method of claim 10, wherein the plant is selected from the group consisting of: maize, soybean, sunflower, sorghum, canola, wheat, alfalfa, cotton, rice, barley, and millet.

12. (Original) The method of claim 10, wherein the level of AFP1 protein is increased.

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13. (Currently Amended) An isolated nucleic acid selected from the group consisting of a polynucleotide comprising SEQ ID NO:1, a polynucleotide encoding a polypeptide comprising SEQ ID NO:2, or a complement thereof.

14. (Currently Amended) An isolated nucleic acid selected from the group consisting of a polynucleotide comprising SEQ ID NO:3, a polynucleotide encoding a polypeptide comprising SEQ ID NO:4, or a complement thereof.

15. (Currently Amended) An isolated nucleic acid selected from the group consisting of a polynucleotide comprising SEQ ID NO:5, a polynucleotide encoding a polypeptide comprising SEQ ID NO:6, or a complement thereof.

16. (Currently Amended) An isolated nucleic acid selected from the group consisting of a polynucleotide comprising SEQ ID NO:7, a polynucleotide encoding a polypeptide comprising SEQ ID NO:8, or a complement thereof.

17. (Currently Amended) An isolated nucleic acid selected from the group consisting of a polynucleotide comprising SEQ ID NO:9, a polynucleotide encoding a polypeptide comprising SEQ ID NO:10, or a complement thereof.